

CLAIMS

What is claimed is:

- 1 1. A golf club head, comprising:
2 a body defining a striking face, a top line, a sole, and a back, and having a heel and a
3 toe; and wherein:
4 said back contains a cavity therein; and
5 said cavity contains a plurality of recesses therein, said recesses extending away from
6 said cavity.
- 1 2. The club head of claim 1, wherein said recesses are aligned substantially longitudinally
2 to said striking face in a heel-to-toe direction, and said plurality of recesses includes a first
3 recess positioned in a heel portion of said cavity and a second recess positioned in a toe
4 portion of said cavity.
- 1 3. The club head of claim 2, wherein said first and second recesses each have a volume
2 from approximately 1 cubic centimeter to approximately 10 cubic centimeters.
- 1 4. The club head of claim 2, wherein said first and second recesses each have a depth of
2 approximately 0.300 inch to approximately 0.800 inch.
- 1 5. The club head of claim 4, wherein said first and second recesses each have a depth of
2 approximately 0.450 inch to approximately 0.700 inch.

1 6. The club head of claim 2, further comprising:

2 a first weight member positioned within said first recess; and

3 a second weight member positioned within said second recess.

1 7. The club head of claim 6, wherein said first and second weight members each have a

2 mass greater than or equal to approximately 10 grams.

1 8. The club head of claim 6, wherein said first weight member has a specific gravity

2 greater than a specific gravity of the club head, and said second weight member has a specific

3 gravity greater than said club head specific gravity.

1 9. The club head of claim 8, wherein said first weight member specific gravity and said

2 second weight member specific gravity are substantially equal.

1 10. The club head of claim 6, wherein:

2 said first weight member has a first specific gravity;

3 said second weight member has a second specific gravity; and

4 said first specific gravity is less than said second specific gravity.

1 11. The club head of claim 6, wherein:

2 said first weight member has a first specific gravity;

3 said second weight member has a second specific gravity; and

4 said first specific gravity is greater than said second specific gravity.

1 12. The club head of claim 2, further comprising:

2 a dampening insert positioned within one of said first and second recesses; and

3 a weight insert positioned within the other of said first and second recesses.

1 13. The club head of claim 2, wherein said plurality of recesses further includes a third

2 recess intermediate said first and second recesses.

1 14. The club head of claim 13, wherein said first and second recesses each have a volume

2 from approximately 1 cubic centimeter to approximately 10 cubic centimeters, and said third

3 recess has a volume greater than each of said first and second recesses.

1 15. The club head of claim 13, wherein said third recess has a volume greater than the

2 combined volumes of said first and second recesses.

1 16. The club head of claim 13, wherein said third recess has a volume greater than twice

2 the combined volumes of said first and second recesses.

1 17. The club head of claim 13, wherein said first and second recesses each have a depth of

2 approximately 0.300 inch to approximately 0.800 inch and said third recess has a depth of

3 approximately 0.450 inch to approximately 0.700 inch.

1 18. The club head of claim 17, wherein said first and second recesses each have a depth of

2 approximately 0.450 inch to approximately 0.700 inch and said third recess has a depth of

3 approximately 0.250 inch to approximately 0.500 inch.

1 19. The club head of claim 13, further comprising:

2 a first weight member positioned within said first recess;

3 a second weight member positioned within said second recess; and

4 a third weight member positioned within said third recess.

1 20. The club head of claim 19, wherein said first and second weight members each have a

2 mass greater than or equal to approximately 10 grams, and said third weight member has a

3 mass less than approximately 10 grams.

1 21. The club head of claim 19, wherein said first weight member has a specific gravity

2 greater than a specific gravity of the club head, said second weight member has a specific

3 gravity greater than said club head specific gravity, and said third weight member has a

4 specific gravity less than said club head specific gravity.

1 22. The club head of claim 19, wherein

2 said first weight member has a first specific gravity;

3 said second weight member has a second specific gravity; and

4 said third weight member has a third specific gravity.

1 23. The club head of claim 22, wherein said first and second specific gravities are each

2 less than said third specific gravity.

1 24. The club head of claim 22, wherein one of said first and second specific gravities is

2 greater than said third specific gravity, and the other of said first and second specific gravities

3 is less than said third specific gravity.

1 25. The club head of claim 24, wherein said first and second specific gravities are
2 substantially equal.

1 26. The club head of claim 24, wherein said first specific gravity is greater than said
2 second specific gravity.

1 27. The club head of claim 24, wherein said first specific gravity is less than said second
2 specific gravity.

1 28. The club head of claim 22, wherein said first and second specific gravities are each
2 greater than said third specific gravity.

1 29. The club head of claim 13, further comprising:
2 a first weight member positioned within said first recess;
3 a second weight member positioned within said second recess; and
4 a dampening member positioned within said third recess.

1 30. The club head of claim 29, wherein said first and second weight members each have a
2 mass greater than or equal to approximately 10 grams, and said dampening member has a
3 mass less than approximately 10 grams.

1 31. The club head of claim 29, wherein said first weight member has a specific gravity
2 greater than a specific gravity of the club head, said second weight member has a specific
3 gravity greater than said club head specific gravity, and said dampening member has a specific
4 gravity less than said club head specific gravity.

1 32. The club head of claim 1, wherein said recesses are aligned substantially transverse to
2 said striking face in a front-to-back direction and extend in a heel-to-toe direction, and
3 wherein said plurality of recesses includes a first recess positioned adjacent said back.

1 33. The club head of claim 32, wherein said first recess has a volume of approximately 1
2 cubic centimeter to approximately 10 cubic centimeters.

1 34. The club head of claim 33, wherein said plurality of recesses includes a second recess
2 adjacent said first recess, and further comprising a weight member positioned within said
3 second recess.

1 35. The club head of claim 34, wherein said weight member has a specific gravity greater
2 than a specific gravity of the club head, and said dampening member has a specific gravity
3 less than said club head specific gravity.

1 36. The club head of claim 32, further comprising a dampening member positioned within
2 said first recess.

1 37. The club head of claim 32, wherein said plurality of recesses includes a second recess
2 adjacent said first recess.

1 38. The club head of claim 37, further comprising a dampening member positioned within
2 said first recess and a weight member positioned within said second recess.

1 39. The club head of claim 38, wherein said weight member has a mass of approximately
2 10 to approximately 20 grams.

1 40. The club head of claim 37, further comprising a weight member positioned within said
2 first recess and a dampening member positioned within said second recess.

1 41. The golf club head of claim 1, wherein said plurality of recesses includes:
2 a first recess aligned substantially transverse to said striking face in a front-to-back
3 direction and extending in a heel-to-toe direction;
4 a second recess aligned substantially longitudinally to said striking face in a heel-to-
5 toe direction and positioned in a heel portion of said cavity; and
6 a third recess aligned substantially longitudinally to said striking face in a heel-to-toe
7 direction and positioned in a toe portion of said cavity.

1 42. The golf club head of claim 41, further comprising:
2 a dampening member positioned within said first recess;
3 a first weight member positioned within said second recess; and
4 a second weight member positioned within said third recess.

1 43. The golf club head of claim 41, further comprising a fourth recess intermediate said
2 second and third recesses.

1 44. The club head of claim 1, wherein at least one of said plurality of recesses includes
2 both a weight member and a dampening member positioned therein.

1 45. The club head of claim 1, wherein the golf club head is an iron-type golf club head.